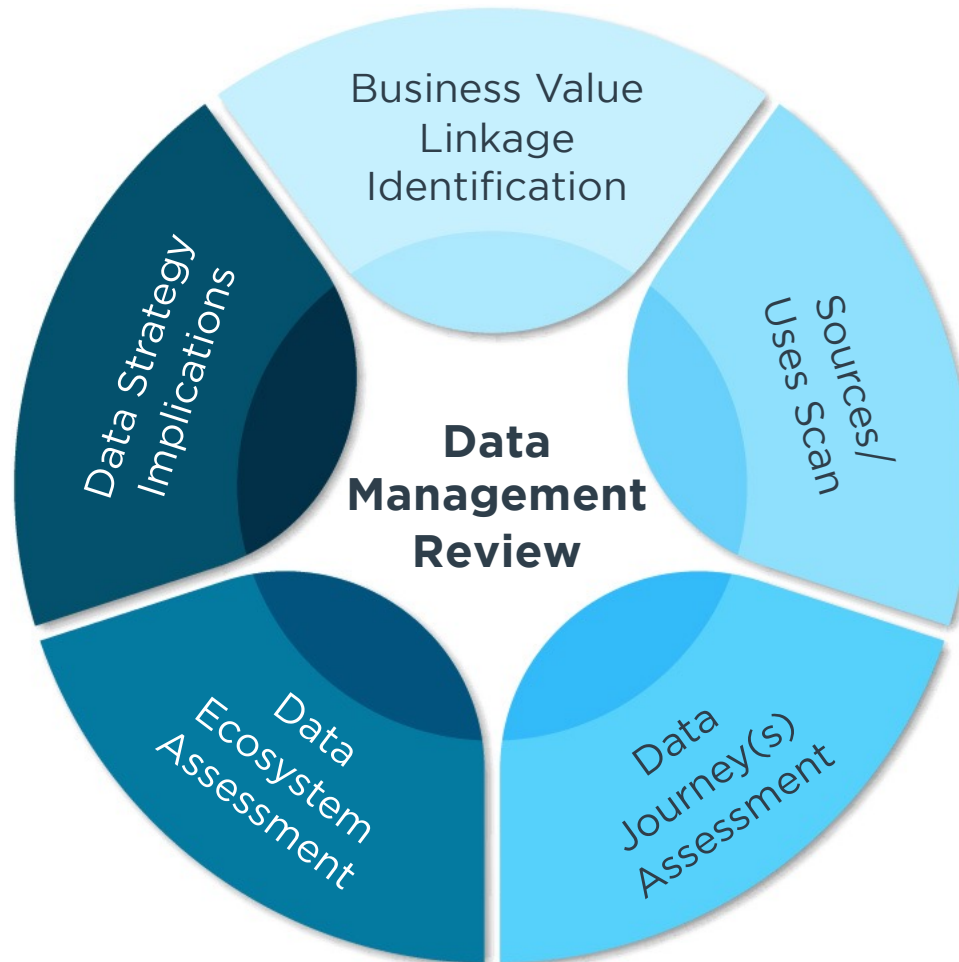




Data Management Review
Data Insights/Data Integrity



The Data Management Review follows a 5-step process for a rapid scan of current performance, gap identification, and action plan targeting.





This upfront effort provides business imperative clarity to prioritize focus of the DMR and to frame evaluation criteria for subsequent DMR steps.

Objective

- Identify critical areas and elevate awareness of how business value creation is most critically dependent on data
- Inform and prioritize DMR activities

Key Work Activities

- Stakeholder one-on-one meetings for intros and approach
- 2 to 4-hour senior executive facilitated session
- Inventory of Business Value/Business Imperatives
- Investigation into data linkages to Business Value/Imperatives
- Prioritization and modeling of Business Value-Data Linkages

Work Product

- Prioritized Business Value-Data Linkage Inventory/ Model

Sample Output: Business Value-Data Linkage Model



A parallel inventory effort assists in creating a composite view of data delivery and consumption across key areas of the organization.

Objective

- Identify key sources and providers of critical information, and develop a composite view of how that data is consumed and the current state effectiveness

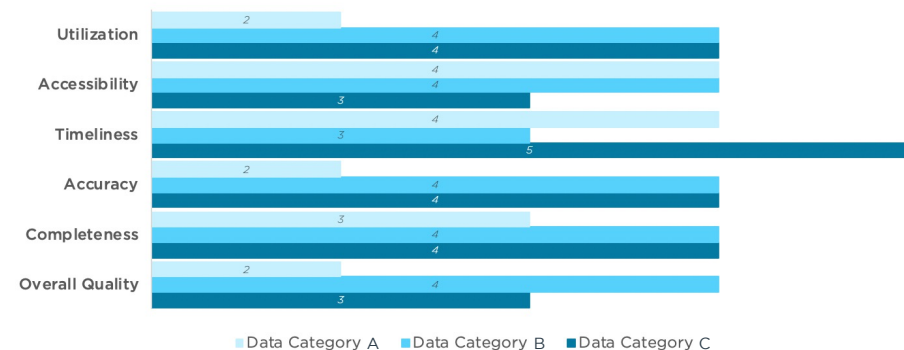
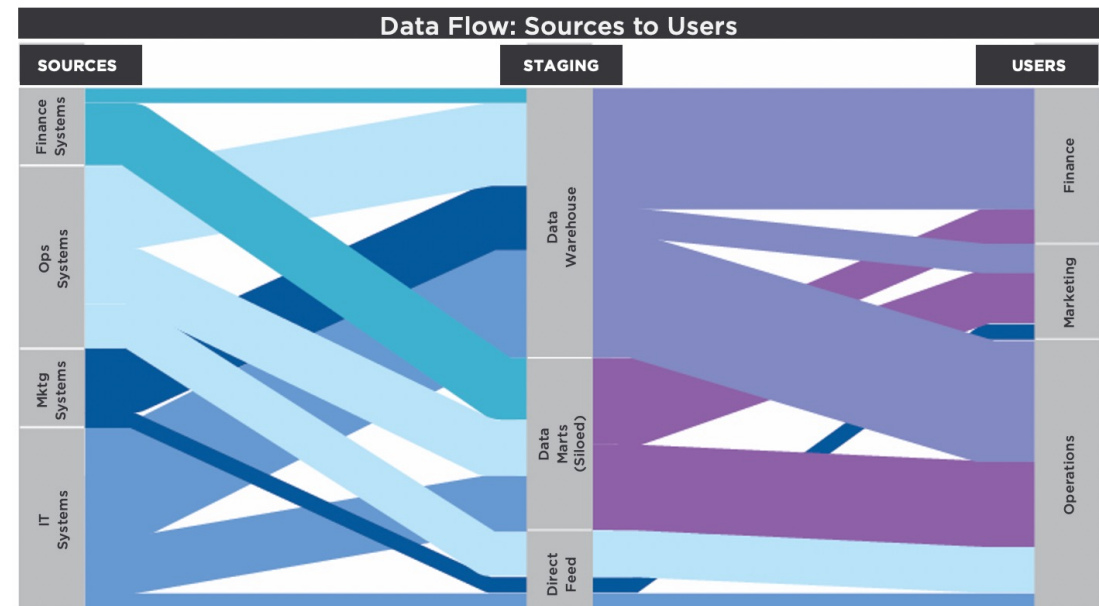
Key Work Activities

- Functional stakeholder/SME interviews
- Source system review
- Provider/user interviews
- Survey collection & scoring
- Identification of key categories of data

Work Product

- Data Flow Model
- Data Flow Scoring
- Data Category Inventory
- Data Gap Findings

Sample Output:





Focusing on a select set of critical data categories emerging from the Sources/Uses Scan, sophistication along Data Journey flows is assessed.

Objective

- Develop awareness of data journey types in existence in the organization and the associated level of sophistication

Key Work Activities

- Selection of key data categories
- Structured interview assessment of steps along the data journey for each selected data category

Work Product

- Data Journey Assessment

Sample Output: Data Journey Assessment





A broader assessment across all 4 quadrants of the Data Insight/Data Integrity Framework reveals effectiveness in ecosystem performance.

Objective

- Highlight ecosystem current-state performance strengths and gaps to inform a potential action plan

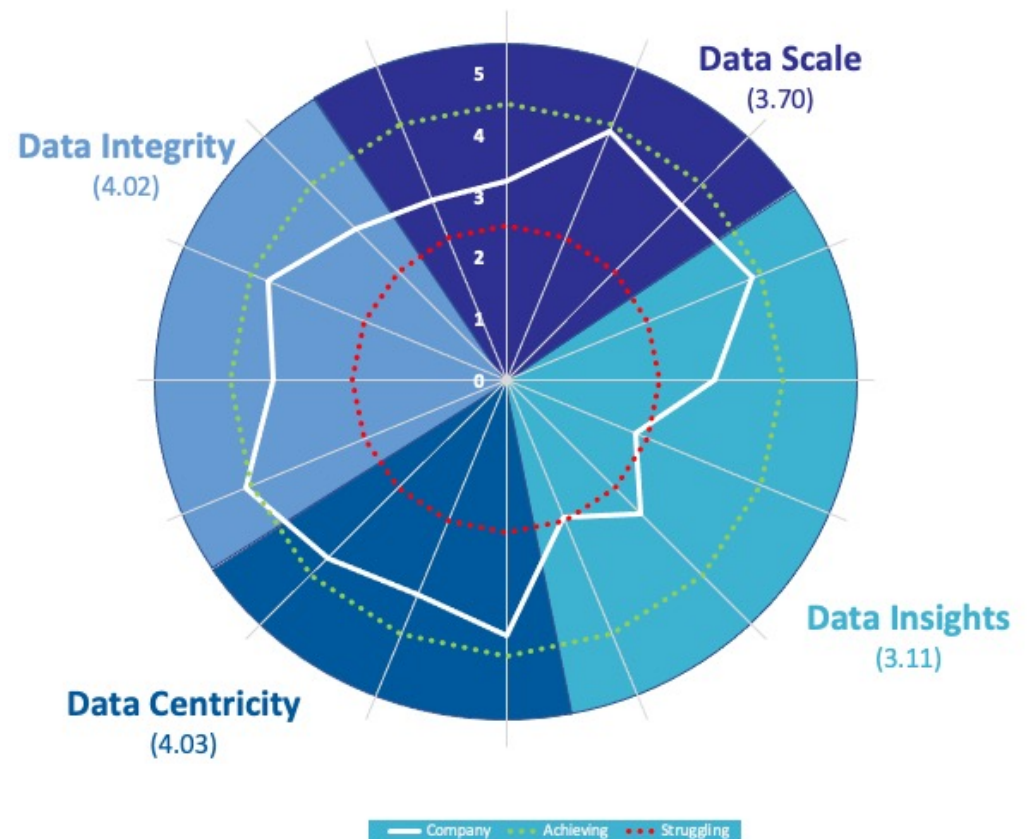
Key Work Activities

- Stakeholder/SME identification
- Facilitated survey data collection based on Sand Cherry Data Insights/Data Integrity framework while also touching on key elements of the DMM from CMMI and the Analytical DELTA framework.

Work Product

- Data Insight/Data Integrity Ecosystem Assessment

Sample Output:
Data Insight/Integrity Ecosystem Assessment



The culmination of the DMR is a holistic review of the strategic design and execution in the use of, and management of, data.

Objective

- Assess the existing Data Strategy, to the extent there is one, and determine its effectiveness in establishing and reinforcing an effective ecosystem design and governance as well as insuring visibility of data linkages to business imperatives.

Key Work Activities

- 2 to 4-hour senior executive facilitated session
- Review of work product from all prior steps
- Development of prioritized targets for action

Work Product

- Data Strategy:
 - Assessment
 - Gap Inventory
 - Targets for Action
 - Implications & Recommendations

Sample Output:

Data Strategy Prioritized Action Targets

	Priority Action Targets Examples	Impact	Urgency	Feasibility
DATA INTEGRITY	• Testing discipline			
DATA SCALE	• Cloud architecture			
DATA CENTRICITY	• Data literacy			
DATA INSIGHTS	• BI platform			
DATA STRATEGY	• Governance			



The Data Management Review (DMR) is conducted through the lens of the Sand Cherry Data Insight/Data Integrity Framework.

DATA SCALE

Data Architecture

Platform, source, ingest, trans-formational process & storage architecture

Data Governance

Establishing control, traceability, refresh, accuracy

Data Quality

Testing, certifying, monitoring accuracy, completeness, and integrity of data

DATA INTEGRITY

Sourcing

Connecting & collecting data

Processing

Cleaning, normalizing & grooming data

Managing

Creating reference meta-data mapping for alignment

DATA INSIGHTS

Advanced Analytics

Comparative statistics, econometric analysis, root cause analysis, etc.

Modeling

Pattern recognition, predictive modeling, machine learning, decision engines, etc.

Presentation/BI

Recurring, repeatable, accessible reports, dashboards & visual analytics

DATA CENTRICITY

Evaluation & Planning

Business economics & operational impact assessment plus implementation planning

Implementation

Technical program management & cross-functional rollout including resource modeling, recruiting & onboarding for steady-state operations

Adoption

Cultural acceptance and adoption of data-centric decision making & participation in the enterprise-wide data intelligence program

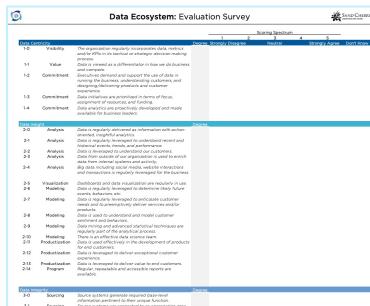
A comprehensive set of tools and templates enables a rapid execution of the DMR while still capturing the uniqueness of each client situation.

Facilitation Guide

- Summary composite findings and evaluation
- Gap inventory
- Prioritization (e.g., multi-vote)

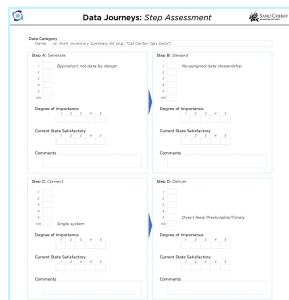
Facilitation Guide

- Inventory Primary Business Value Propositions
- Data linkage exploration/hypotheses
- Prioritization (e.g., multi-vote)



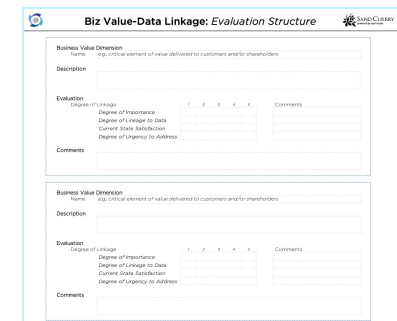
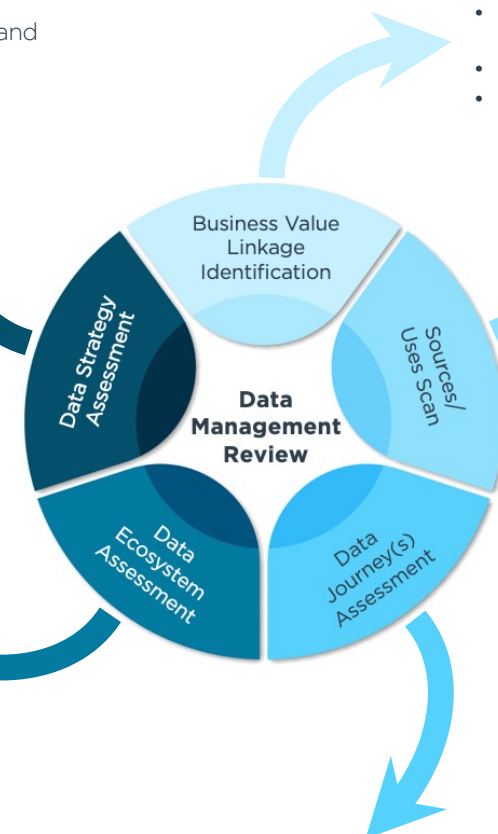
Structured Ecosystem Survey

- Interview guide
- Quantitative assessment methodology
- Graphical depiction template



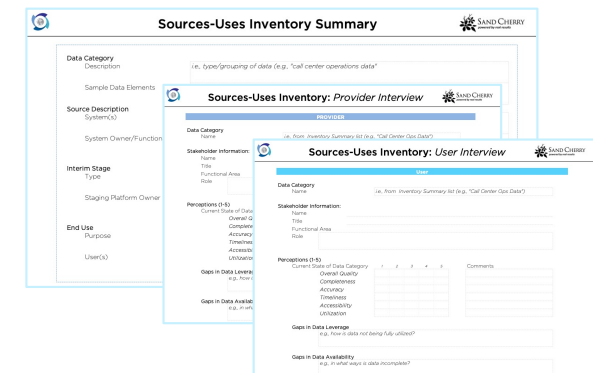
Structured Journey Survey

- Evaluation of Data Journey Steps
- Gap capture
- Graphical depiction templates



Sources & Uses Survey

- Interview guide
- Data collection tool
- Perception scoring
- Gap capture
- Graphical depiction templates





SAND CHERRY

Catalyze Results

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